UNITED STATES ENVIRONMENTAL PROTECTION AGENCY AIR QUALITY SYSTEM RAW DATA REPORT

(42401) Sulfur Dioxide

S17E ID: 29-099-0004

POC: 1 COUNTY: (099) JEFFERSON

CITY: (00000) NOT IN A CITY SITE ADDRESS: HERC, Main St

SITE COMMENTS:

MONITOR COMMENTS:

(0308) Doe Run

STATE: (29) MISSOURI

(070) METROPOLITAN ST. LOUIS AQCR:

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

LAND USE: INDUSTRIAL

LOCATION SETTING: RURAL

CAS NUMBER: 7446-09-5 LATITUDE: 38.2633 LONGITUDE: -90.3785 UTM ZONE: 15 UTM NORTHING: 4238073.71 UTM EASTING: 729359.95

Nov. 15, 2004

ELEVATION-MSL: 1

PROBE HEIGHT: 3

SUPPO	RT AGEN	CY:	(0308)	Doe Run	L .																					
MONIT	OR TYPE	: SLJ	MS										REPORT	POR:	JULY	2	004				URATION	: 1 HO	UR			
COLLE	CTION A	ND ANAL	YSIS MET	THOD:	{0	60) INS	TRUMENTA	L PULSE	FLUORE	SCENT										t	NITS:	PPM				
REPOR	TING ORG	G: (0588) Mi	ssouri .	Laborato	ry Ser	vices Pr	ogram												1	IN DETE	CTABLE:	. (002		
H	UR																									
DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OB8	UMIXA
1	.003	.002	.005	.004	.003	.009	.035	.003	.002	.003	.010	.005	.018	.004	.031	. 067	.045	.046	.015	.023	.006	.003	.012	.010	24	.067
2	.030	.040	.026	.027	.034	.046	.038	.041	.020	.040	.026	.046	.047	.042	.065	. 057	.017	.007	.004	.029	.047	.049	.024	.049	24	.065
3	.067	.069	.026	.046	.062	.018	.034	.003	.004	.006	.003	.008	.001	.001	.001	.001	.001	.001	.001	.001	.001	.002	.001	.001	24	.069
4	.001	.001	.001	.001	.001	.001	.001	.001	.001	.002	.002	.002	.002	.037	.054	.003	.001	.001	.002	.002	.003	.004	.005	.002	24	.054
5	.002	.002	.002	.001	.003	.002	.002	.002	.001	.001	.006	.003	.020	.035	.058	.021	.022	.011	.033	.024	.006	.019	.038	.017	24	.058
6	.031	.027	.009	.011	.009	.011	.028	.003	.002	.003	.002	.018	.035	.015	.022	.024	.003	.002	.002	.002	.002	.001	.001	.001	24	.035
7	.001	.001	.001	.001	.001	.001	.001	.011	.017	.009	.002	.001	.002	.001	.005	.001	.001	.001	.001	.002	.002	.002	.001	.002	24	.017
8	.001	.001	.001	.002	.001	.008	.032	BP	BP	BF	.024	.021	.028	.022	.009	.023	.017	.047	.020	.023	.027	.062	.041	.058	21	.062
9	.067	.093	.054	.054	.020	.004	.004	.003	.002	.002	.002	.002	.004	.004	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	24	.093
10	.001	.001	.001	.001	.001	.001	.002	.002	.002	.002	.002	.002	.002	.002	.001	.001	.002	.112	.098	. 004	. 005	.002	.002	.002	24	.112
11	.002	.002	.002	.002	.001	.002	.002	.003	.004	.003	.003	.002	.002	. 002	.002	.002	.002	.002	.002	.002	.002	.002	.003	.002	24	.004
12	.002	.002	.001	.001	.001	.002	.002	.002	.002	.002	.001	.002	.002	.002	.002	.002	.001	.001	.001	.002	.002	.002	.002	.002	24	.002
13	.001	.002	. 002	.002	.001	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.001	.002	24	.002
14	.001	.001	. 002	.003	.002	.003	.003	.003	.002	.002	.002	.002	.002	.002	.002	.003	.003	.004	.002	.002	.002	.002	.003	. 002	24	.004
15	.002	.001	.001	.001	.002	.002	.002	.002	.003	.003	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.003	.002	. 002	24	.003
16	.004	.002	.002	.004	.003	.024	.009	.006	.004	.003	.002	.002	.003	.005	.005	.019	.019	.006	.005	.006	.004	.005	.003	.002	24	.024
17	.002	.002	.002	.002	.002	.002	.002	. 004	.004	.004	.004	.002	.002	.002	.002	.003	.003	.003	.002	.002	.002	.002	.002	.002	24	.004
16	.002	.002	.002	.002	.003	.004	.007	.023	.024	.023	.027	.021	.014	.016	.013	.010	.014	.008	.005	.003	.003	.003	.003	.003	24	.027
19	.002	.002	.002	.002	.003	.002	.003	. 005	.005	.003	.005	.002	.003	.002	.002	.002	.002	.003	.003	.003	.003	.003	.005	.003	24	.005
20	.013	.006	.003	.003	.024	.015	.023	.023	.025	.063	.051	.004	.003	.002	.002	.002	.007	.009	.042	.008	.006	. 056	.041	.020	24	.063
21	.046	.046	.028	.005	.003	.003	.003	.004	.004	.005	.004	.003	.003	.003	.003	.003	. 003	.002	.002	.011	.030	.052	.013	.010	24	.052
22	.003	.003	.003	.003	.003	.003	.003	.004	.003	.003	BP	.004	.003	.003	.003	.002	.002	.004	.005	.004	.004	.006	.009	.005	23	.009
23	.003	.004	.003	.003	.002	.002	.003	.008	.012	.025	.023	.009	.003	.003	.004	.004	.006	.006	.002	.002	. 002	. 003	.002	.003	24	.025
24	.009	.002	.003	.003	.002	.003	.004	.003	.005	.007	.005	. 004	.005	.004	.003	.002	.002	.002	.003	.003	.005	.003	.002	.002	24	.009
25	.003	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.004	.005	.005	.004	.004	.005	.006	. 009	.007	.004	24	.009
26	.004	.003	- 004	.004	.005	.004	.006	.011	.009	. 005	.009	.008	.005	.008	.006	.005	.004	.003	.003	.002	.003	.002	.002	.002	24	.011
27	.002	.002	.002	.002	.002	.002	. 003	.003	.021	.022	.018	-012	.010	.012	.010	.011	.011	.011	.007	.007	.004	.003	.002	.002	24	.022
28	.002	.002	.002	.002	.002	.003	. 003	.004	.005	.005	.008	.006	.046	.027	.011	.010	.009	.006	.008	.006	.017	.003	.003	. 003	24	.046
29	.002	.002	.002	.002	.002	.003	.013	.009	.020	.083	.038	.055	.049	.074	. 263	. 060	.007	.006	.005	.005	.006	. 003	.003	.003	24	.263
30	.005	.014	.008	.003	.005	.003	.002	.003	.003	.005	.009	.013	.019	.005	.002	.002	.002	.002	.002	.013	.009	.003	.002	.002	24	.019
31	.002	.002	.001	.001	.001	.001	.001	.001	.002	.002	.002	.004	.041	.123	.012	.006	.092	.016	.004	.018	.005	. 003	.003	.004	24	.123
NO.1	31	31	31	31	31	31	31	30	30	30	30	31	31	31	31	31	31 `	31	31	31	31	31	31	31		
MAX:	.067	.093	.054	.054	.062	.046	.038	.041	.025	.083	.051	. 055	.049	.123	. 263	.067	.092	.112	.098	.029	.047	.062	.041	.058		
AVG:	.0102	.0110	.0065	.0065	.0066	.0061	.0089	.0065	.0071	.0113	.0099	.0087	.0123	.0150	.0195	.0115	.0100	.0107	.0093	.0071	.0071	.0102	.0077	.0072		

MONTHLY OBSERVATIONS: MONTHLY MEAN: MONTHLY MAX: 740

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

Superfund

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY AIR QUALITY SYSTEM

RAW DATA REPORT

REPORT FOR:

1200

.013

.013

.007

.003

.003

.014

.062

.003

002

. 009

.003

.002

.002

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.013

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.004

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.007

.014

.012

.089

.008

.005

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.003

.002

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. 003

29

. 089

.0113

BP

RA

BC

.004

.035

.130

. 003

.002

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.018

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.006

.018

.088

.037

. 020

.002

.003

.004

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.031

.004

30

.130

.0155

.005

.031

.004

.027

.036

.050

.007

.003

.002

.010

. 003

.012

.007

30

.050

.0093

(42401) Sulfur Dioxide

SITE ID: 29-099-0004 POC: 1

(099) JEFFERSON CITY: (00000) NOT IN A CITY SITE ADDRESS: HRRC. Main St

SITE COMMENTS: MONITOR COMMENTS:

HULLD

.004

.003

.002

.003

.003

.007

15

16

17

18

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23

SUPPORT AGENCY: (0308) Doe Run

MONITOR TYPE:

.005

.004

.002

.002

002

.002

.045

MONTHLY OBSERVATIONS:

.004

.003

.002

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.002

COLLECTION AND ANALYSIS METHOD: (060) INSTRUMENTAL PULSED FLUORESCENT

.007

.008

.002

.002

PERCETTING ORG. (0588) Missouri Laboratory Services Program

.004

.003

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.002

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
1	. 003	. 003	.002	.002	.002	.002	.002	.002	.002	. 002	.006	.007
2	.014	.004	.003	.003	.002	.003	.003	.009	.004	.003	.002	.004
3	.006	.006	.003	.003	.002	.003	.003	.003	.004	.003	.003	.006
4	.004	.004	.003	.003	.003	.003	.002	. 003	.002	.002	.012	.015

.008

.006

.002

.010

.012

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.042

. 002

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. 003 .003 .002 .003 .002 .002 .003 .014 .013 .007 .011 .003 .003 .003 .003 .003 .003 . 003 .003 .003 .004 .004 10 .002 .002 .002 .002 .002 .002 .003 .004 .004 .003 .002 11 .002 .002 .004 . 003 .002 .002 .003 . 007 .014 .012 .004 12 .002 .002 .002 .002 .002 .003 .005 .002 .003 .002 .003 .002 .002 13 .002 .002 .002 .002 .002 .002 .003 .003 .002 14 .002 .002 .002 .002 . 002 . 002 .003 . 003 .032 .010 .003

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.002 .002 .002 .003 .003 .003 .006 .007 . 020 .010 .025 .019 .005 .003 .003 .003 .003 . 003 .003 .003 .003 .002 .002 .002 .002 .002 .003 .003 .004 .004 .004 .004 .003 .003 .003 .003 .003 .003 .004 .004 .004 .003 .003 .002 . 003 .005 . 007 . 005 . 003 .002 .002 .002 .004 .002 .002 .002 .002 .002 .001 .002 .002 .002 .041 .020 .008

.037 .015 .047 . 054 .041 .060 .042 24 .151 . 200 . 224 .117 .112 .104 .112 .047 .091 .038 .060 .025 25 .038 .022 .010 - 009 . 00R .009 .010 .006 26 .021 .054 .075 .059 .014 .015 .010 .007 004 - 003 27 .002 .002 .003 .002 .002 .002 .002 .002 .003 .003 28 .006 .003 .002 .002 .002 .002 .002 .003 .025 .017

.002

29 . 002 .002 . 002 .002 . 002 . 002 . 002 .003 30 .002 .002 .002 002 .002 . 002 .003 .004 31 . 002 .002 .002 .002 .002 .002 .003 .003 31 NO. 31 31 31 31 31 11 31

.200 .224 .117 .112 . 104 .112 .0145 .0142 .0091 .0083 .0083 .0084 738

.0122

.060

.0089

MONTHLY MAX:

. 224

Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

MONTHLY MEAN:

STATE: (29) MISSOURI

(070) METROPOLITAN ST. LOUIS

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

LAND USR: INDUSTRIAL LOCATION SETTING:

1300

.073

.026

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30

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BP

AUGUST

1400

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31

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RITRAL.

2004

1600

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101

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162

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ORA

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068

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179

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1500

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31

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.0136

LATITUDE: LONGITUDE: ITM ZONR:

7446-09-5 38.2633 ~90.3785

Nov. 15, 2004

4238073.71 UTM MORTHING: 729359.95 UTM EASTING:

ELEVATION-MSL:

CAS NUMBER:

PROBE HEIGHT:

DURATION: 1 HOUR UNITS: PPM MIN DETECTABLE: . 002 1800 1900 2000 2100 2200 2300 OBS AXIMU .073 .018 .006 .068 800. 24 .195 .040 .002 .003 .003 .016 .031 24 .031 .015 .023 .020 . 063 . 014 .005 .004 24 .063 .011 .004 .002 .004 .005 .003 24 .015 .007 .004 . 003 .002 .005 .006 20 .010 . 002 .002 .002 .003 .002 .002 24 .012 .008 .009 .005 .00B .005 .035 .004 24 .084 .132 .008 .004 .003 .003 24 .132 .003 .003 .003 .002 .002 .003 .004 24 .002 .003 .002 .002 .002 .002 24 .004 .002 .002 .002 .002 .002 .002 24 .014 .002 .002 .002 .002 .002 24 .005 .002 .003 .002 .002 .002 .002 .003 24 .006 .004 .007 .005 .006 .004 .003 24 .047 .005 .004 .003 .003 .002 .014 .003 24 .004 . 039 . OB4 .027 .016 . 052 24 .084 . 003 .003 .002 .002 .002 .002 22 .025 .003 .003 . 003 .003 .003 .003 24 .004 .009 .008 .003 .002 .003 .003 24 .009 .003 .002 .003 .003 .003 .002 24 .009 .005 .007 .005 .003 .005 .003 24 .041 .036 . 039 . 077 . 056 .022 .011 24 .101 .138 .162 .018 .045 .179 .090 24 .179 .040 .004 .003 .029 .030 .036 24 .224 . 017 .010 .030 .003 .009 . 044 24 .060 .003 .003 .003 .003 .003 . 002 24 .075 .008 .002 .004 .004 .059 .002 .007 24 .002 .002 .001 .001 .001 .002 24 .025 .002 . 003 . 003 .002 .002 .002 24 .003 .003 .003 .002 .002 002 .002 24 .031 .002 .002 . 003 .002 .002 .002 24 .007

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY AIR QUALITY SYSTEM

RAW DATA REPORT

RURAL

LATITUDE:

LONGITUDE:

UTM NORTHING:

ELEVATION-MSL: 1

PROBE HEIGHT: 3

UTM EASTING:

UTH ZONE:

38.2633

15

-90.3785

4238073.71

729359.95

Nov. 15, 2004 (42401) Sulfur Dioxide CAS NUMBER: 7446-09-5

STATE: (29) MISSOURI

AQCR: (070) METROPOLITAN ST. LOUIS CITY: (00000) NOT IN A CITY

URBANIZED ARBA: (0000) NOT IN AN URBAN ARBA SITE ADDRESS: HERC, Main St

LAND USE: INDUSTRIAL SITE COMMENTS: LOCATION SETTING:

SITE ID: 29-099-0004

MONITOR COMMENTS:

COUNTY: (099) JEFFERSON

POC: 1

SUPPORT AGENCY: (0308) Doe Run MONITOR TYPE: SLAMS SEPTEMBER 2004 DURATION: 1 HOUR REPORT FOR:

COLLECTION AND ANALYSIS METHOD: (060) INSTRUMENTAL PULSED PLEORESCENT UNITS: PPM

	ECTION A ETING OR	IND ANAL G: ((THOD: .ssouri	•		TRUMENTA vices Pr	L PULSE	D FLUORE	SCENT											MITS: LIN DETE	PPM CTABLE:		002		
н	OUR		,																							
DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MIXA
1	.002	.002	.002	.002	. 002	-002	.003	.003	.003	. 014	.019	.033	.016	.012	.010	AZ	BF	.009	.008	.004	.003	.003	.003	.002	22	.033
2	.002	.002	.002	.002	.002	.003	.003	.004	.008	.009	.018	.023	.022	.020	.014	.010	.012	.025	.011	.006	.004	.004	.003	.003	24	.025
3	.003	.003	.003	.003	.003	.003	.004	.005	.010	.008	.011	.015	.013	.013	.019	.024	.028	.012	.006	.010	.011	.042	.028	.004	24	.042
4	.004	.003	.003	.003	.003	.003	.003	.018	.010	.007	.009	.012	.012	. 035	.058	.092	.099	.091	.039	.009	.032	.006	.004	.004	24	.099
5	.004	. 005	.006	.003	.003	.003	.010	.017	.025	.051	.048	.045	.068	. 079	082	.069	.046	- 077	.097	.100	.014	.022	.054	.071	24	.100
6	.031	.004	.036	.090	.068	.073	. 022	.047	.006	. 004	.002	.002	.002	.002	.002	.008	. 004	.002	.002	.002	.002	.002	.002	.002	24	.090
7	.002	.002	.002	.002	.002	. 004	.005	.011	.014	.008	.004	.003	.003	.003	.004	.007	. 006	.008	.007	.003	.003	.003	.004	.007	24	.014
8	.008	.005	.006	.008	.010	. 006	.005	.006	.010	.008	.006	.005	.010	.011	.009	.006	.005	.007	.006	.004	.003	.003	.009	.006	24	.011
9	.004	.003	.003	.003	.003	.003	.003	.009	.014	.015	.017	.015	.012	.013	.013	.009	.007	.005	.004	.003	.003	.003	.003	.003	24	.017
10	.003	.003	.003	. 003	.003	.003	.003	.005	.011	.016	.034	.094	.046	.027	.014	.010	.009	.005	.004	.003	.003	.003	.003	.003	24	.094
11	.003	.003	.003	.003	.002	.002	.003	.004	.022	.023	.042	.038	.043	.013	.019	.026	.019	.012	.008	.006	.005	.007	.008	.004	24	.043
12	.003	.003	.003	. 003	.003	.003	.003	.004	.014	.011	.015	. 035	.030	.016	. 036	.013	.014	.008	.006	.005	. 904	.004	. 060	. 175	24	.175
13	.174	.145	.088	.076	.085	.027	.040	.041	.035	.038	. 054	.066	.044	.092	.015	.066	.078	.097	. 094	.016	.010	.016	.030	. 055	24	.174
14	.076	.065	.084	.046	.065	.028	.011	.011	.005	.004	.004	.004	.005	.003	.004	.013	.010	.015	.032	.020	.032	.062	.057	.032	24	.084
15	.048	.068	.106	.064	.029	.045	.017	.030	.008	.005	.005	.003	.003	.003	.012	.009	.028	.007	BP	.004	.073	.014	.037	.016	23	.106
16	.014	.004	.003	.003	.003	.003	.003	.003	.008	.00B	.007	.004	.008	.007	.009	.005	.004	.007	.008	.006	.004	.005	.012	.015	24	.015
17	.012	.010	.010	.010	.008	.005	.006	.009	.019	.021	.013	.018	.011	. 005	.010	.014	.004	.007	.005	.004	.005	.004	.003	.003	24	.021
18	.003	.003	.003	.003	.003	.003	.003	.008	.010	.010	.029	.034	.031	.022	.015	.007	.007	.006	.004	.003	.007	.011	.007	.007	24	.034
19	. 006	.006	.005	.005	.003	.003	.004	.007	.010	.029	.012	.011	.008	.005	.005	.011	.010	.009	.005	.008	.009	.006	.008	.009	24	.029
20	.008	. 007	.006	.006	.003	.003	.007	.009	.010	.031	.045	.029	.031	.048	.061	.072	.064	.066	.041	.133	.012	.004	.004	.003	24	.133
21	.003	. 003	.003	.003	.003	.003	.003	.007	.007	.008	.014	.007	.010	.014	.023	.030	. 055	.020	.019	.030	.024	.007	.004	.003	24	.055
22	. 003	.003	.003	.003	.003	.003	.003	.007	.011	.014	.009	.010	.035	.034	.047	- 024	.010	.023	.068	.030	.012	.006	. 005	.007	24	.068
23	.004	.004	.003	.003	.003	.003	.004	.016	.021	.021	.019	.016	.008	.005	.004	.004	.024	.034	.012	.006	.005	.045	.071	.019	24	.071
24	.004	.004	.004	.003	.003	.003	.004	.006	.006	.005	.004	.004	.010	.005	.004	.004	.003	.003	.003	.003	.003	.003	.003	.003	24	.010
25	.003	.007	.014	.008	.004	.003	.006	.016	.011	.006	.005	.003	.003	.003	.003	.004	.007	.004	.003	.003	.003	.003	.003	.003	24	.016
26	.003	.003	.003	.003	.003	.003	.003	.004	.007	.011	.015	.006	.005	.017	.013	.012	.012	.010	.006	.004	. 005	.003	.003	.003	24	.017
27	.003	.003	.003	.003	.003	.003	.003	.004	.018	.050	.030	.022	. 022	.014	.010	.005	.007	.008	.006	.005	. 003	.003	.003	.003	24	.050
28	.003	.003	.003	.003	.003	. 003	.003	.005	.004	.006	.005	.009	.013	.008	.011	.012	.007	.011	.005	.006	.004	.003	.009	.007	24	.013
29	.005	.005	.004	.005	.004	.003	.003	.005	B#	.009	.009	.014	.019	.020	.023	.017	.017	.015	.008	.006	.004	.004	.003	.003	23	.023
30	.003	.003	.003	.003	.003	.003	.004	AV	.013	.022	.023	.167	.070	. 034	.027	.026	.030	.044	.021	.008	. 006	.008	.004	.004	23	.167
31																									0	
NO.:	30	30	30	30	30	30	30	29	29	30	30	30	30	30	30	29	29	30	29	30	30	30	30	30		
MAX:	.174	.145	.106	.090	. 085	.073	.040	.047	.035	.051	.054	.167	.070	.092	.082	. 092	.099	.097	.097	.133	.073	.062	.071	.175		
AVG:	.0148	.0128	.0140	.0125	.0112	.0085	.0065	.0111	.0121	.0157	.0176	.0249	.0204	.0194	.0192	.0210	.0216	.0216	.0186	.0150	.0103	.0103	.0149	.0160		

MONTHLY OBSERVATIONS: 715 MONTHLY MEAN: MONTHLY MAX: .0154 .175

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

AIR QUALITY SYSTEM

RAW DATA REPORT

Nov. 15, 2004

QUALIFIER CODES:

Qualifier Code	Qualifier Description	Qualifier Typ
AV	POWER FAILURE (POWR)	NULL
AZ	Q C AUDIT (AUDT)	NULL
BA	MAINTENANCE/ROUTINE REPAIRS	MULL
BC	MULTI-POINT CALIBRATION	NULL
BF	PRECISION/ZERO/SPAN	MULL

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional concurrence are shown in lower case.

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